Project Design Phase
Problem – Solution Fit Template

Date	09 February 2026
Team ID	LTVIP2026TMIDS66281
Project Name	Gemini historical artifacts description
Maximum Marks	4 marks

Problem – Solution Fit Template:

The Gemini Historical Artifact System addresses the critical problem of preserving and managing historical artifacts from the Gemini space missions. Many valuable artifacts, documents, and mission records are stored in physical form, making them vulnerable to deterioration, damage, and loss over time. Additionally, researchers, students, and historians often face difficulties accessing accurate and organized artifact information due to the lack of centralized digital systems.

Purpose:

☑ To digitally preserve Gemini historical artifacts and prevent loss or deterioration.

☑ To store artifact information such as mission details, images, and descriptions in secure database.

☑ To provide easy access to artifact information for researchers, students, and educators.

☑ To support historical research and educational activities related to Gemini space missions.

Template:

Buyer: Gain & Retain CSF – Gemini Historical Artifact System

1. CUSTOMER SEGMENT(S) `CS`

- Space historians and researchers
- Museum curators and archivists
- Space agencies (NASA and research institutions)
- Students and educators
- Space enthusiasts and digital archive users

2. JOBS-TO-BE-DONE / PROBLEMS `JP`

- Preserve and maintain Gemini historical artifacts digitally
- Access artifact information for research and education
- Manage and organize artifact records efficiently
- Prevent loss or deterioration of historical data
- Provide easy access to artifact information

6. CUSTOMER CONSTRAINTS `CC`

- Limited funding for artifact preservation
- Lack of technical infrastructure
- Limited access to original artifacts
- Need for secure and reliable storage

3. TRIGGERS `TR`

- Need to preserve aging historical artifacts
- Increasing demand for digital access to space history
- Research and educational requirements
- Museum digitization initiatives
- Space heritage preservation programs

5. YOUR SOLUTION `SL`

- Digital artifact preservation system
- Secure artifact database storage
- Artifact search and viewing system
- Artifact condition monitoring and documentation

7. BEHAVIOUR `BE`

- Researchers search artifact databases
- Archivists upload and manage artifact records
- Educators use artifact information for teaching
- Museums digitize artifact collections

4. EMOTION: BEFORE / AFTER `EM`

- **BEFORE**
  - Difficulty accessing artifact records
  - Risk of artifact deterioration or loss
  - Limited digital preservation systems

5. YOUR SOLUTION `SL`

- Digital artifact preservation system
- Secure artifact database storage
- Artifact search and viewing system
- User-friendly interface for researchers archivists

8. CHANNELS & BEHAVIOUR `CH`

- Web-based artifact management system
- Museum digital archive platforms
- Educational portals and research platforms
- Integration with space agency databases

9. PROBLEM ROOT CAUSE (EM) `EM`

- Aging physical artifact records

9. PROBLEM ROOT CAUSE

- Aging physical artifacts ars resul-

10. UPLINE / IMPACT `UP`

- Improved artifact preservation - Better research and